



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

CLEVELAND ET AL.

Atty. Ref.: 839-1468

Serial No. 10/616,911

Group: 3745

Filed: July 11, 2003

Examiner: Unassigned

For: AIRFOIL SHAPE FOR A TURBINE BUCKET

\* \* \* \* \*

November 12, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SUBMISSION OF POWER OF ATTORNEY**

Attached hereto is the Exclusive Substitute Power of Attorney for the  
above-identified patent application.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

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Reg. No. 22,770

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\* \* \* \* \*

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**EXCLUSIVE SUBSTITUTE POWER OF ATTORNEY  
AND EXCLUSIVE PROSECUTION HEREAFTER BY  
ASSIGNEE UNDER 37 C.F.R. §§ 1.36, 3.71 AND 3.73**

The undersigned being the owner of all right, title and interest in the above-identified patent application, hereby revokes all previous powers of attorney in this case, if any, and hereby appoints the attorneys of **Customer Number 30024** individually and collectively its attorneys to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith, and with the resulting patent.

I also authorize Nixon & Vanderhye to act and rely solely on instructions communicated from the person, attorney, firm or other organization sending instructions to Nixon & Vanderhye on behalf of the owner.

CLEVELAND ET AL.  
Serial No.

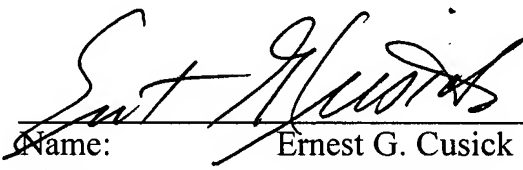
**Certificate Under 37 C.F.R. §3.73(b)**

I hereby certify that General Electric Company of 1 River Road, Schenectady, NY 12345 is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors to the aforesaid assignee, a copy of the assignment being attached.

I have reviewed the documents in the chain of title of the patent application identified above, and to the best of my knowledge and belief, title is in the aforesaid assignee for which I am empowered to act in this matter.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.


**GENERAL ELECTRIC COMPANY**

7/11/2003 By:   
Date Name: Ernest G. Cusick  
Title: Patent Counsel

## ASSIGNMENT

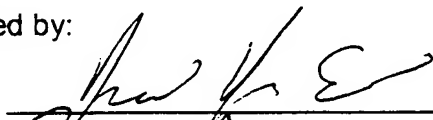
In consideration of One Dollar and other good and valuable consideration, of which we acknowledge receipt, PETER GAINES CLEVELAND, THOMAS BRADLEY BEDDARD, SCOTT MATTHEW SPARKS, JOSEPH ANTHONY WEBER and JAMES BERNARD FEHLBERG of 1409 Roper Mountain Rd., #581, Greenville, South Carolina 29615; 406 Fairdale Drive, Simpsonville, South Carolina 29681; 522 Willow Creek Court, Simpsonville, South Carolina 29681; 208 English Oak Road, Simpsonville, South Carolina 29681 and 112 West Okaloosa Way, Simpsonville, South Carolina 29680, respectively, sell and assign to General Electric Company, a New York Corporation, its successors and assigns the entire right, title and interest in and to the improvements in AIRFOIL SHAPE FOR A TURBINE BUCKET invented by us, as described in the application for United States Patent being filed herewith; and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said improvements or resulting therefrom to said General Electric Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, we will communicate to said Company or its representatives or nominees any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said improvements in all countries.

7/7/2003  
Date

  
PETER GAINES CLEVELAND

Witnessed by:

Name:



Date:

7/7/03

Name:



Date:

7/7/03

STATE OF South Carolina

COUNTY OF Greenville

ss):

This 7<sup>th</sup> day of July, 2003, before me personally came the above-named, PETER GAINES CLEVELAND, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Shudice Johnson

Notary Public

My Commission Expires: March 10, 2013

7/7/03

Date

Thomas Bradley Beddard

THOMAS BRADLEY BEDDARD

Witnessed by:

Name:

Charlton H. King

Date:

7/7/03

Name:

Robert R. By

Date:

7/9/03

STATE OF South Carolina

COUNTY OF Greenville

ss):

This 7<sup>th</sup> day of July, 2003, before me personally came the above-named, THOMAS BRADLEY BEDDARD, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Shudice Johnson

Notary Public

My Commission Expires: March 10, 2013

7/7/2003  
Date

SCOTT MATTHEW SPARKS  
SCOTT MATTHEW SPARKS

Witnessed by:

Name: Therese H. King

Date: 7/7/03

Name: Russ R. By

Date: 7/7/03

STATE OF South Carolina

COUNTY OF Greenville ss):

This 7<sup>th</sup> day of July, 2003, before me personally came the above-named, SCOTT MATTHEW SPARKS, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Therese H. King  
Notary Public

My Commission Expires: March 10, 2013

7/7/2003  
Date

JOSEPH ANTHONY WEBER  
JOSEPH ANTHONY WEBER

Witnessed by:

Name: [Signature]

Date: 7/7/03

Name: [Signature]

Date: 7/7/03

STATE OF South Carolina

COUNTY OF Greenville ss):

This 7<sup>th</sup> day of July, 2003, before me personally came the above-named, JOSEPH ANTHONY WEBER, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Therese H. King  
Notary Public

My Commission Expires: March 10, 2013

7/7/2003

Date

James Bernard Fehlberg  
JAMES BERNARD FEHLBERG

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

STATE OF South Carolina

ss):

COUNTY OF Greenville

This 7<sup>th</sup> day of July, 2003, before me personally came the above-named, JAMES BERNARD FEHLBERG, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Shirley Johnson

Notary Public

My Commission Expires: 3/10/13